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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SECURITIES BLDG.
HELENA, MONTANA

VOL. VII, No. 11 — McKEE PRINT. — November, 1959

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1959, averaged 81,358 barrels daily, a decrease of 603 barrels from the average October production of 81,961.

The ten refineries in the State processed 75,107 barrels of crude oil daily for the month of November, 1959, an increase of 4,939 barrels daily from the 70,168 barrels processed daily during the month of October, 1959.

During November, 29 wells were completed, 15 oil, 0 gas wells and 14 dry holes.

During November, the Commission issued 24 permits to drill new wells, a decrease of 15 from the 39 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF NOVEMBER, 1959

IN STORAGE NOVEMBER 1st:	
By Producers	372,301
By Transporters	658,992
By Refiners	587,003
TOTAL STORAGE	1,618,296
Produced in Montana During Month	2,440,760
Imported During Month	1,646,323
TOTALS	5,705,379
DISPOSITION:	
Refined in Montana	2,253,254
Exported	1,869,791
Used for Fuel or Lost	4,582
TOTAL	4,127,627
IN STORAGE NOVEMBER 30th:	
By Producers	376,580
By Transporters	662,771
By Refiners	538,401
TOTAL STORAGE	1,577,752

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1959

Field	M Cu. FT.
Bears Den	3,482
Big Coulee	102,440
Bowdoin	701,562
Bowes	126,857
Box Elder	0
Cabin Creek	87,939
Cedar Creek	694,294
Clarks Fork	28,099
Cut Bank (Including Reagan)	1,148,197
Devon	0
Dry Creek	158,278
Elk Basin	87,241
Flat Coulee	11,916
Golden Dome	3,515
Grandview	23,451
Hardin	3,569
Keith Block	163,558
Kevin Sunburst	116,395
Pine	74,268
Plevna	17,389
Utopia	87,650
Whitlash	140,426
Miscellaneous	76,955
TOTAL	3,857,481

Total Withdrawals for November, 1958 were 3,534,832 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF NOVEMBER, 1959

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	640	2,527	.....	2,511	.....	656
5	Bannatyne	10	2,840	1,713	.....	1,384	.....	3,169
1	Belfry	1	45	51	.....	.....	.....	96
10	Big Wall	24	2,601	17,397	.....	17,485	76	2,437
10	Blackfoot	14	3,698	7,235	.....	6,153	9	4,771
20	Bowes	83	5,823	25,650	27,074	.....	.....	4,399
1	Bredette	1	1,523	468	.....	.....	.....	1,991
3	North Bredette	3	2.784	2,990	3,790	.....	.....	1,984
3	Brorson	3	3,102	2,562	3,876	.....	.....	1,788
2	Cabin Creek	92	7,607	335,045	333,719	.....	916	8,017
25	Cat Creek	80	4,937	11,938	7,299	4,524	.....	5,052
1	Clark's Fork	1	176	238	.....	.....	.....	414
3	Clark's Fork North	4	4,381	11,886	.....	11,492	.....	4,775
1	Cupton	2	895	220	888	.....	.....	227
358	Cut Bank	1,143	124,314	165,345	160,743	.....	82	128,834
3	Deer Creek	6	1,958	15,610	14,472	.....	.....	3,096
4	Delphia	4	975	4,352	.....	3,637	.....	1,690
....	Devil's Basin	....	1,312	.....	.....	.....	.....	1,312
5	Dry Creek	6	1,125	3,634	3,536	.....	.....	1,223
19	Elk Basin	58	4,200	309,662	310,960	.....	.....	2,902
....	Fertile Prairie	....	1,584	.....	.....	.....	.....	1,584
2	Frannie	2	1,035	2,310	3,073	.....	.....	272
2	Gage	2	854	1,437	.....	934	18	1,339
4	Gas City	11	3,934	16,437	15,541	.....	.....	4,830
6	Glendive	12	4,965	38,096	38,027	.....	.....	5,034
4	Gypsy Basin	4	1,474	617	.....	.....	.....	2,091
2	Hawk Creek	2	739	247	.....	579	.....	407
5	Ivanhoe	13	3,604	13,996	.....	12.807	.....	4,793
187	Kevin Sunburst	1,314	15,503	62,193	60,350	.....	30	17,316
1	Line Coulee	1	1,755	364	1,034	.....	150	935
1	Little Beaver	7	2,304	16,804	17,109	.....	.....	1,999
5	East Little Beaver	7	2,317	13,460	11,421	.....	.....	4,356
5	Melstone	9	1,478	4,423	.....	3,150	.....	2,751
3	Monarch	5	3,268	15,888	17,154	.....	.....	2,002
3	Mosser	5	396	490	.....	408	.....	478
7	Outlook Area	11	7,205	48,446	46,527	.....	.....	9,124
3	South Outlook	3	3,636	5,514	5,895	.....	.....	3,255
10	Pennel	21	7,261	37,825	37,336	.....	.....	7,750
5	Pine	139	16,446	400,078	398,013	.....	.....	18,511
80	Pondera	335	9,461	40,304	40,052	.....	.....	9,713
7	East Poplar	92	25,006	295,420	298,952	.....	.....	21,474
3	Northwest Poplar	4	1,577	1,925	2,432	.....	.....	1,070
4	Ragged Point	9	3,201	11,577	.....	10,748	.....	4,030
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	3,121	15,747	15,983	.....	.....	2,885
7	Red Creek	13	4,096	7,131	.....	7,681	.....	3,546
1	Redstone	1	340	406	502	.....	.....	244
1	Repeat	1	398	2,228	1,740	.....	.....	886
9	Richey	12	5,747	16,578	15,738	.....	.....	6,587
5	Sand Creek	6	3,353	22,597	22,028	.....	.....	3,922
2	Snyder	4	486	1,959	.....	1,397	.....	1,048
5	Soap Creek	18	2,600	6,502	.....	6,584	.....	2,518
2	Southwest Richey	2	2,266	7,628	7,665	.....	.....	2,229
7	Stensvad	19	10,249	158,923	160,128	.....	209	8,835
27	Sumatra	81	18,056	175,125	162,379	15,337	134	15,331
3	Sweetgrass Hills	3	686	445	.....	589	45	497
6	Whitlash	31	14.862	2,601	2,421	169	.....	14,873
6	Wills Creek	12	6,397	33,446	35,952	.....	.....	3,891
9	Wolf Springs	18	3,970	41,431	41.596	.....	.....	3,805
2	Woodrow	2	968	1,562	1,838	.....	.....	692
1	Yellowstone	1	651	77	.....	.....	.....	728
921		3,821	372.301	2,440,760	2.327.243	107,569	1,669	376,580

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1958	27,958,649	76,593	27,878,576	76,379
First Quarter, 1959	7.287,446	80,971	7,258.943	80,654
Second Quarter, 1959	7.262,121	79,803	7,245.821	79.624
Third Quarter, 1959	7,720.041	83,913	7,718,520	83,896
October, 1959	2,540,797	81,961	2,538,486	81,886
November, 1959	2,440,760	81,358	2,434,812	81,160

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1958	342,798	707,901	518.033	1,568,732
March, 1959	368,699	661,262	562.586	1,592,547
June, 1959	376,081	627,475	812.606	1,816,162
September, 1959	372,219	647,228	575,588	1,595.035
October, 1959	372,301	658,992	587,003	1,618,296
November, 1959	376,580	662,771	538,401	1,577,752

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF NOVEMBER, 1959

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,511				2,511		
BANNATYNE—Truck			1,384			1,384			
BIG WALL—Truck			17,485			17,485			
BLACKFOOT—Union Oil Co			6,153			6,153			
BOWES—									
Trigood Oil Co	3,741	3,529			175	3,956			3,139
Texaco Inc		23,545				23,545			
	3,741	27,074			175	27,501			3,139
BRORSON—Sun Oil Company		3,876					3,876		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co	321,313	899,122		456,521			1,367,392		309,564
Shell Pipe Line Corp	1,240	83,661			(142)			82,793	2,250
	322,553	982,783		456,521	(142)		1,367,392	82,793	311,814
CAT CREEK—									
Continental Pipe Line Co	4,981	7,299			911	6,821			4,548
Truck			4,524			4,524			
	4,981	7,299	4,524		911	11,345			4,548
CLARK'S FORK—Truck			11,492				11,492		
CUT BANK—									
Big West Oil Co		1,024		22,002		23,026			
Darling Gathering System, Inc	1,221	8,649						8,611	1,259
Phillips Petroleum Co	41,520	47,703		15,445	222	64,420		2,090	37,936
Texas Pipe Line Co	42,480	27,821		19,535	347	877		30,747	57,865
Toronto Pipe Line Co	28,180	39,171			(373)			45,922	21,802
Union Oil Co	117,830	39,920		32,982	1,826	75,680		11,355	101,871
	231,231	164,288		89,964	2,022	164,003		98,725	220,733
DELPHIA—Truck			3,637			3,637			
DRY CREEK—Ohio Oil Co	8,668	3,536			(76)	3,002			9,278
ELK BASIN—Ohio Oil Co		310,960					310,960		
FRANNIE—Ohio Oil Co		3,073					3,073		
GAGE—Truck			934			934			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co	5,806	76,024			(3)		61,721	9,531	10,581
HAWK CREEK—Truck			579			579			
IVANHOE—Truck			12,807			5,099	7,708		
KEVIN-SUNBURST—									
Big West Oil Co	2,123	39,417				39,426			2,114
Homestake Oil & Gas Co	1,389	2,589		8,611		7,847			4,742
The Texas Pipe Line Co	4,077	28,671			185	28,486			4,077
	7,589	70,677		8,611	185	75,759			10,933
MELSTONE—Truck			3,150			3,150			
MOSSER—Truck			408				408		
PONDERA—Phillips Petr. Co	20,175	41,432			282	36,917			24,408
POPLAR, BREDETTE, OUTLOOK, LNE COULEE, REDSTONE, RICHEY & SOUTH OUTLOOK—									
East Poplar Gathering System	19,063	370,114			(1,667)			364,244†	26,600
RAGGED POINT—Truck			10,748			10,748			
REAGAN—Union Oil Co		15,983				15,983			
RED CREEK—Truck			7,681			5,267	2,414		
SNYDER—Truck			1,397				1,397		
SOAP CREEK—Truck			6,584				6,584		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc	24,245	322,507			69	243,366	74,918		28,399
Truck			15,337				15,337		
	24,245	322,507	15,337		69	243,366	90,255		28,399
SWEETGRASS HILLS—Truck			589			589			
WHITLASH—									
Homestake Oil & Gas Co				3,239		3,239			
Western Natural Gas Co	1,734	2,421						3,042	1,113
Truck			169			169			
	1,734	2,421	169	3,239		3,408		3,042	1,113
WOLF SPRINGS—									
Powder River Pipe Line Co	9,206	41,594			134	39,441			11,225
TOTALS	658,992	2,443,641	107,569	558,335	1,890	675,750	1,869,791	558,335	662,771

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF NOVEMBER, 1959

Field	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,803	5,803
Bowes	.....	.....	.....	23,011	.....	.....	.....	.....	.....	.....	23,011
Cat Creek	.....	.....	4,796	.....	1,974	5,098	.....	.....	.....	.....	11,868
Clark's Fork	.....	.....	.....	.....	191	.....	.....	.....	.....	.....	191
Cut Bank	24,517	.....	.....	.....	.....	.....	64,368	57,799	.....	83,992	230,676
Delphia	.....	.....	.....	.....	.....	4,830	.....	.....	.....	.....	4,830
Dry Creek	.....	.....	.....	.....	1,727	.....	.....	.....	.....	.....	1,727
Elk Basin	.....	155,567	70,712	.....	.....	.....	.....	.....	.....	.....	226,279
Gage	.....	.....	.....	.....	.....	1,413	.....	.....	.....	.....	1,413
Ivanhoe	.....	.....	.....	.....	.....	9,342	.....	.....	.....	.....	9,342
Kevin Sunburst	38,643	.....	.....	.....	.....	.....	.....	58,617	.....	.....	97,260
Melstone	.....	.....	.....	.....	6,461	.....	.....	.....	.....	.....	6,461
Pondera	.....	.....	.....	.....	.....	.....	36,567	.....	.....	.....	36,567
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,983	15,983
Red Creek	.....	9,133	.....	.....	.....	.....	.....	.....	.....	.....	9,133
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	4,152	.....	4,152
Sumatra	.....	182,104	609	.....	95,210	.....	.....	.....	.....	.....	277,923
Sweetgrass Hills	590	.....	.....	.....	.....	.....	.....	.....	.....	.....	590
Wolf Springs	.....	31,102	.....	.....	.....	.....	.....	.....	.....	.....	31,102
Total Montana Oil	63,750	377,906	76,117	23,011	105,563	20,683	100,935	116,416	4,152	105,778	994,311
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	.....	.....	.....	882	882
Wyoming Oil Imported	.....	541,262	269,711	.....	447,088	.....	.....	.....	.....	.....	1,258,061
TOTAL Montana, Canadian and Wyoming Oil	63,750	919,168	345,828	23,011	552,651	20,683	100,935	116,416	4,152	106,660	2,253,254

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1958	25,108	.32	38,599	63,739
November, 1958	28,408	....	44,948	73,356
November, 1959	33,143	.29	41,935	75,107

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
39.39%	.05%	60.56%
38.73%	....	61.27%
44.12%	.05%	55.83%